

## MATERIAL SAFETY DATA SHEET

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### Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product:** BANDINI 16-8-4 TREE, SHRUB & VINE FOOD

**Date of Preparation:** 11/21/95 **Revised:** 01/31/00

**Manufacturer:** PURSELL INDUSTRIES, INC.

PO Box 540

Sylacauga, AL 35150

**Emergency Telephone:** CHEMTREC 1-800-424-9300 **MANUFACTURER:** 1-800-874-8892

**HAZARD RATING:** (4)=extreme, (3)=high; (2)=moderate; (1)=slight, (0)=insignificant.

**FIRE**=(0); **HEALTH**=(1); **REACTIVITY**=(0); **SPECIAL**=(0).

### Section 2: COMPOSITION

OSHA PEL & ACGIH TLV values expressed as mg/m<sup>3</sup> unless otherwise indicated

| CHEMICAL NAME/SYNONYM(S) | CAS NO.    | % BY WT. | OSHA PEL      | ACGIH TLV     |
|--------------------------|------------|----------|---------------|---------------|
| Ammonium Sulfate         | 7783-20-2  |          | NA            | NA            |
| Diammonium Phosphate     | 7783-28-0  |          | NA            | NA            |
| Iron Sulfate             | 7720-78-7  |          | NA            | 1             |
|                          |            |          |               | STEL 2        |
| Potassium Sulfate        | 7778-80-5  |          | NA            | NA            |
| Urea                     | 57-13-6    |          | NA            | NA            |
| Calcined Gypsum          | 10101-41-4 |          | 15 total dust | 15 total dust |
|                          |            |          |               | 5 resp        |
| Limestone                | 1317-65-3  |          | 15 total dust | 15 total dust |
|                          |            |          |               | 5 resp.       |
| Crystalline Silica*      | 14808-60-7 |          | 0.1 resp      | 0.1 resp      |

\*present as a naturally occurring component of minerals.

OSHA Nuisance dust limit of 15mg/M<sup>3</sup> (total) and 5mg/M<sup>3</sup> (respirable) & ACGIH Nuisance dust limit of 10mg/M<sup>3</sup> (inhalable) and 3mg/M<sup>3</sup> (respirable) may apply to this product.

### Section 3: HAZARDS IDENTIFICATION

**Primary Routes of Entry:** Skin x Eye x Ingestion x Inhalation x

#### SIGNS & SYMPTOMS OF EXPOSURE:

**Acute:** Prolonged contact may be irritating to skin, eyes or mucous membranes.

**Chronic:** See Section 11.

### Section 4: FIRST AID MEASURES

**Eyes:** Rinse with clean water for at least 15 minutes.

**Skin:** Wash with mild soap and water.

For skin or eye contact, see a physician if irritation occurs.

**Ingestion:** Give large quantities of water to drink and induce vomiting. If person feels ill, consult a physician or get immediate medical attention.

**Inhalation:** Remove to fresh air.

**Note(s) to physician:** No known antidote; treat symptomatically.

**Medical Conditions Aggravated by Exposure:** Possible skin or respiratory irritation to sensitive individuals.

**RANDINI 16-8-4 TREE, SHRUB & VINE**

**Section 5: FIRE FIGHTING MEASURES**

NFPA/HMIS Rating: Health 1 Fire 0 Reactivity 0  
 EXTINGUISHING MEDIA: Foam x Water Spray x CO<sub>2</sub> x

**Special Fire Fighting Procedures:** Fire fighters should use self contained breathing apparatus. Prevent runoff from entering drains, sewers, or bodies of water. Fertilizer will become slippery when wet. Guard against falls.

**Unusual Fire & Explosion Hazards:** May form explosive dust-air mixtures.

**Section 6: ACCIDENTAL RELEASE MEASURES**

**IF MATERIAL IS SPILLED:** Sweep, shovel or vacuum material into labeled container with minimum generation of dust for use according to label or for disposal. Do not allow product to contaminate drains, sewers, ditches, streams or bodies of water. Prevent large quantities from contacting vegetation.

**Section 7: HANDLING & STORAGE**

**Handling:** Avoid contact with skin, eyes & clothing. Do not take internally. Avoid breathing dust. Wash after handling. Do not apply directly to water. Do not contaminate water by disposal of equipment wash waters.

**Storage:** Store in a cool, dry area out of reach of children & animals. Keep separate from other fertilizers, pesticides, seed, feed, and foodstuffs.

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Protective Equipment Suggested for Outdoor Applications:**

Clean Clothing x

**Protective Equipment Suggested for Confined Areas:**

Sufficient Ventilation x Dust Mask x Goggles/Safety Glasses x

**Section 9: PHYSICAL & CHEMICAL PROPERTIES**

**Solubility in Water:** Appreciable **Appearance and Odor:** Free flowing granules, no appreciable odor.

**Section 10: STABILITY & REACTIVITY**

**Stability:** Stable

**Conditions to Avoid:** High heat; high humidity.

**Incompatibility:** Corrosive to metals when wet.

**Hazardous Decomposition Products:** Ammonia gas and oxides of carbon and nitrogen.

**Hazardous Polymerization:** Will Not Occur

**Section 11: TOXICOLOGICAL INFORMATION For crystalline silica.**

**Positive Teratogen/Mutagen/Carcinogen (NTP):** Limited evidence of carcinogenicity. **Potential**

**Carcinogen OSHA/IARC:** NO. IARC: Possible human carcinogen.

**Section 12: ECOLOGICAL INFORMATION**

Keep out of any body of water.

**Section 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal Method(s):** Dispose according to USEPA guidelines as outlined in RCRA. Follow state and local regulations. Be certain containers are completely empty before disposal.

RANDINI 16-8-4 TREE, SHRUB & VINE

Section 14: TRANSPORTATION INFORMATION

DOT Shipping Information

Proper Shipping Name: Consumer Commodity; Not Regulated.

Section 15: REGULATORY INFORMATION

SARA Information: SARA TITLE III; SEC. 311/312 HAZARD CATEGORIES

Immediate (Acute) Health: Yes Delayed (Chronic) Health: Yes

Section 16: OTHER INFORMATION

Format follows ANSI-Z400.1-1993.

MSDS prepared 05/06/96 by JC Prinzo Consulting Services for Pursell Industries, Inc.

NA= Not Applicable

ND= Not Determined

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